



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WASTEWATER DIVISION
COUNTY OF HAWAII - 108 RAILROAD AVENUE - HILLO, HI 96720
HILLO (808) 961-8338 FAX (808) 961-8644

August 19, 2010

Ms. Sina Pruder, P.E.
State of Hawaii Department of Health
Wastewater Branch
919 Ala Moma Blvd. #309
Honolulu, HI 96814

Subject: Honoka'a Large Capacity Cesspool Replacement Project
County of Hawaii Job No. WM-3675
Large Capacity Cesspool (Less than 1,000 gpd) Backfilling Final Completion
Report - Honoka'a, Hawaii

Ms. Sina Pruder, P.E.:

Enclosed please find the Large Capacity Cesspool (Less than 1,000 gpd) Backfilling Final Completion Report for the following:

1. Honoka'a Civic Center LCC (County of Hawaii) - *Honokaa Garage Building*
 2. Honoka'a Civic Center LCC (State of Hawaii) - *Honokaa District Court.*
- The Large Capacity Cesspools were closed on August 18, 2010 as a part of the Honoka'a Large Capacity Cesspool Replacement Project and in accordance with EPA Consent and Final Order Docket No. UIC AO-2004-0014.

Should there be any comments or questions on the closure report please contact Lyle Hirota, P.E., Wastewater Deputy Division Chief at 808-961-8333 (lhirota@co.hawaii.hi.us) or me at 808-961-8513 (sbeck@co.hawaii.hi.us).

Sincerely,

Dora Beck

Dora Beck, P.E.
Wastewater Division Chief

Attachments

cc: Ivan Tongue, Deputy Director
Katie Rao, EPA LCC Program Coordinator
Gene Guarnas, WWD Project Manager
Tori Nakalani, WWD EST III
Jerry Watanabe, State of Hawaii DAGS - Acting District Engineer

Hawaii County is an equal opportunity provider and employer.

LARGE CAPACITY CESSPOOL (LESS THAN 1,000 GPD)
BACKFILLING FINAL COMPLETION REPORT
Wastewater Branch, Dept. of Health, State of Hawaii

Property owner: County of Hawaii

Project address: 45-3386 Mamane St., Honoka'a, Hawaii

TMK: (3) 4-5-006:061

Number of cesspools, and numbering if any: 1

Diameter(s): 6 ft. Depth(s): 14 ft.

Was sludge/sediment or liquid removal necessary? ☒ Yes ☐ No

Where was sludge/sediment or liquid taken or disposed of? Waimae Wastewater Treatment Plant

Was groundwater encountered? ☐ Yes ☒ No

Date of backfilling: August 18, 2010 Type of backfill material: 150 psi CLSM (Controlled Low Strength Material)

Amount of backfill used (cubic yards): 14 Cubic Yards

Was the cesspool completely backfilled? ☒ Yes ☐ No

How was it compacted? Not applicable. CLSM is also referred to as Flowable Fill

Backfilling contractor: Isenoto Contracting Company, Ltd.

Please provide:

- Pictures: Attach photos of the large capacity cesspool from step-back distances of approximately 8 feet and 20 feet.
- Copy of this report to: LCC Program Coordinator
EPA Ground Water Office (WTR-9)
75 Hawthorne Street
San Francisco, CA 94105

LARGE CAPACITY CESSPOOL BACKFILLING FINAL COMPLETION REPORT (Continuation)

The backfilling work and the final completion report have been performed and completed under my supervision and the work was properly completed:

X Professional Engineer Include P.E. stamp:

Printed Name: Lyle Hirota

Signed: [Signature] Exp 4/20/12

Date: August 18, 2010

Company: County of Hawaii Department of Environmental Management, Wastewater Division

Address: 108 Railroad Avenue, Hilo, Hawaii 96720

Phone: 808-961-8333 Fax: 808-961-9644 (email lhirota@co.hawaii.hi.us)



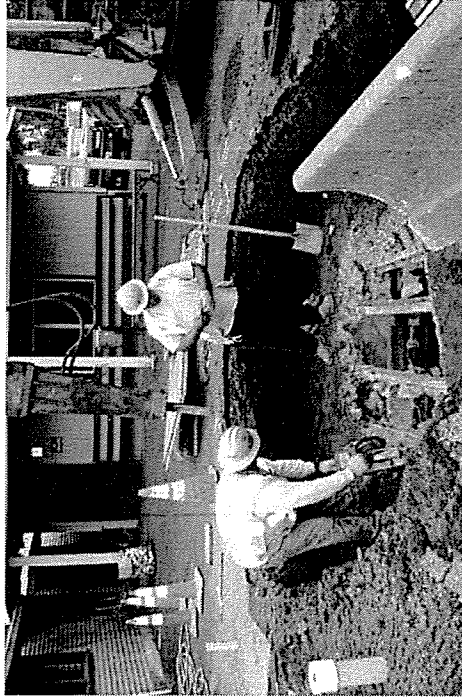
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IWS file no.:

Date sent:

Date received:

County of Hawaii
Honoka'a Civic Center LLC
TMK 4-5-006:061
Date: 8/18/10



Opening of Cesspool Cover



Pumping of Cesspool

County of Hawaii
Honoka'a Civic Center LCC
TMK 4-5-006:061
Closure: 8/18/10



Completion of Cesspool Backfill

**LARGE CAPACITY CESSPOOL (LESS THAN 1,000 GPD)
BACKFILLING FINAL COMPLETION REPORT**
Wastewater Branch, Dept. of Health, State of Hawaii

Property owner: State of Hawaii
Project address: Should be 45-3380 Moanane St - Hanalei Dist. Ct
45-3384 Mainane St, Honoka'a, Hawaii

TMK: (3) 4-5-006:003

Number of cesspools, and numbering if any: 1

Diameter(s): 7 ft. Depth(s): 27 ft.

Was sludge/sediment or liquid removal necessary? ☒ Yes ☐ No

Where was sludge/sediment or liquid taken or disposed of? Maine Wastewater Treatment Plant

Was groundwater encountered? ☐ Yes ☒ No

Date of backfilling: August 18, 2010 Type of backfill material: 150 psi C.I.S.M (Controlled Low Strength Material)

Amount of backfill used (cubic yards): 40 Cubic Yards

Was the cesspool completely backfilled? ☒ Yes ☐ No

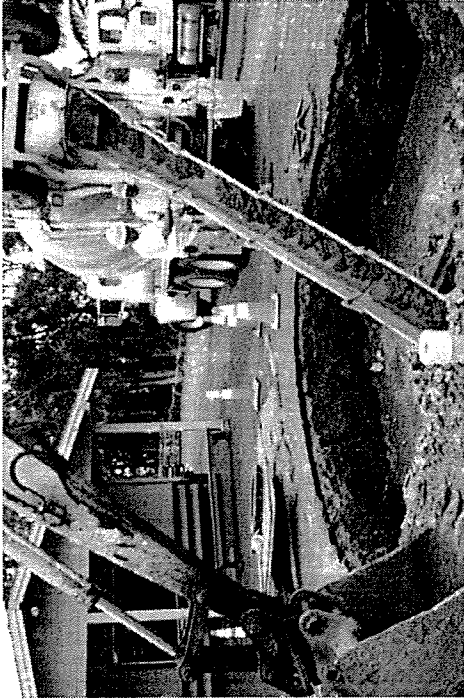
How was it compacted? Not applicable. C.I.S.M is also referred to as Flowable Fill

Backfilling contractor: Isemolo Contracting Company, Ltd.

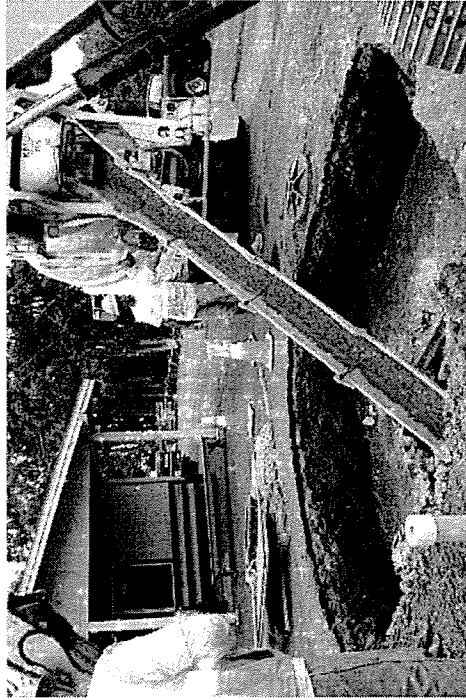
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County of Hawai'i
Honoka'a Civic Center LCC
TMK 4-5-006:061
Closure: 8/18/10

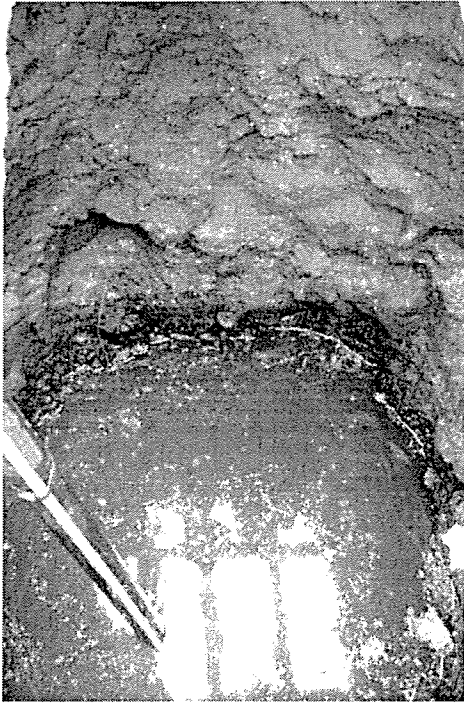


Filling of Cesspool with CLSM



Filling of Cesspool with CLSM

County of Hawai'i
Honoka'a Civic Center LCC
TMK 4-5-006:061
Closure: 8/18/10



Pumping of Cesspool



Pumping of Cesspool


LARGE CAPACITY CESSPOOL BACKFILLING FINAL COMPLETION REPORT (Continuation)

The backfilling work and the final completion report have been performed and completed under my supervision and the work was properly completed:

X Professional Engineer

Include P.E. stamp:

Printed Name: Lyle Hirota

Signed:  Exp 4/30/12

Date: August 18, 2010

Company: County of Hawaii, Department of Environmental Management, Wastewater Division

Address: 108 Railroad Avenue, Hilo, Hawaii 96720

Phone: 808-961-8333 Fax: 808-961-8644 (email lhirota@co.hawaii.hi.us)



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Honoka'a Civic Center LCC
TMK 4-5-006:003
Closure: 8/18/10

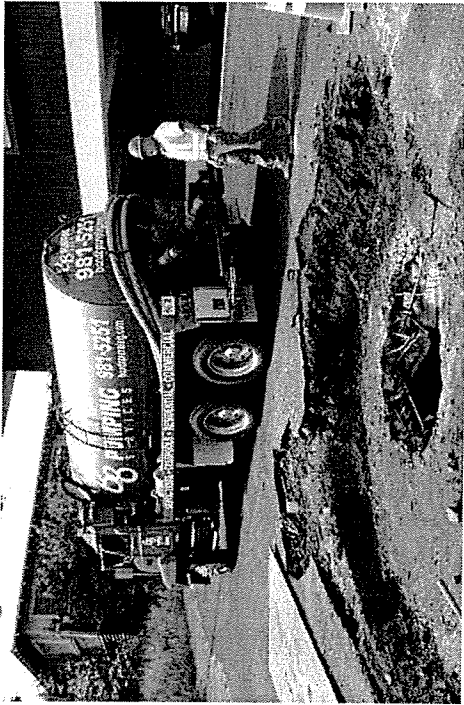


Operating of Cesspool Cover



Cesspool Prior to Pumping

State of Hawai'i
Honoka'a Civic Center LCC
TMK 4-5-006.003
Closure: 8/18/10

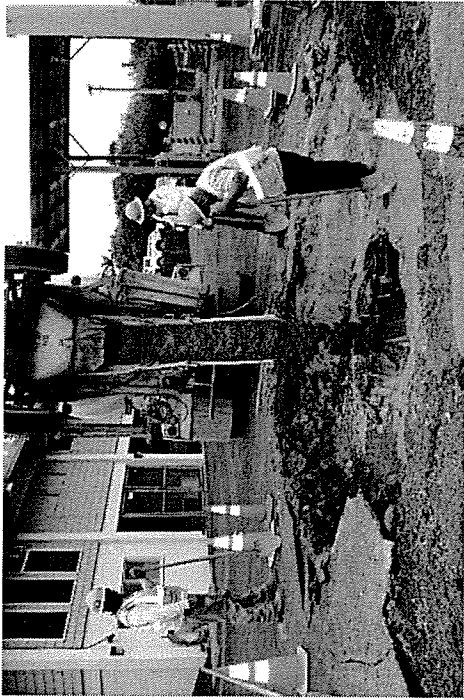


Pumping of Cesspool



Pumping of Cesspool

State of Hawai'i
Honoka'a Civic Center LCC
TMK 4-5-006.003
Closure: 8/18/10

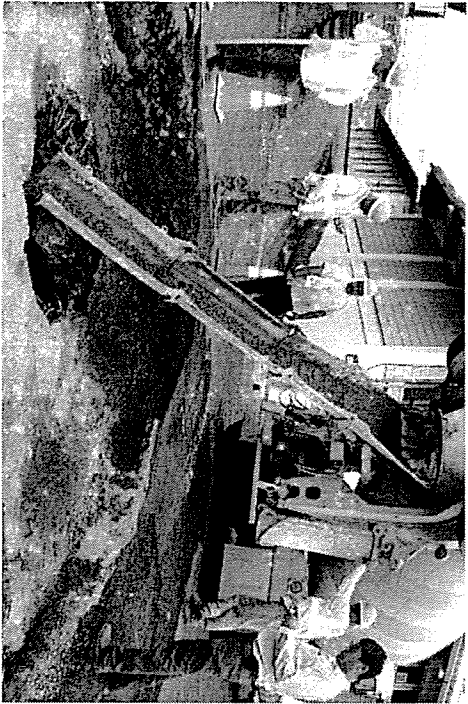


Filling of Cesspool with CLSM

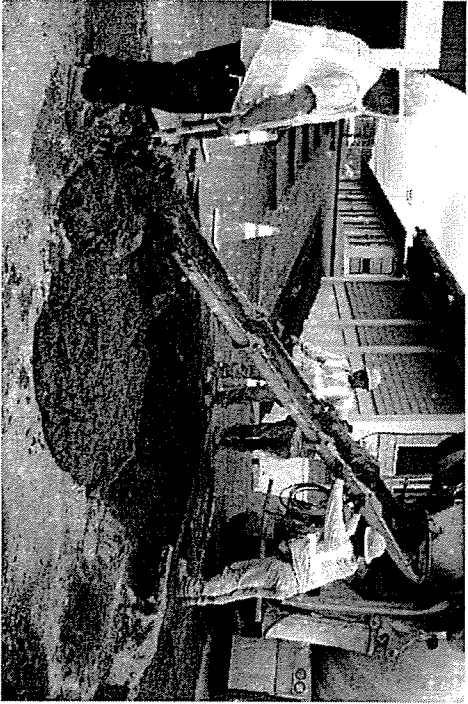


Filling of Cesspool with CLSM

State of Hawaii
Honoka'a Civic Center LOC
TMK 4-5-006:003
Closure: 8/18/10

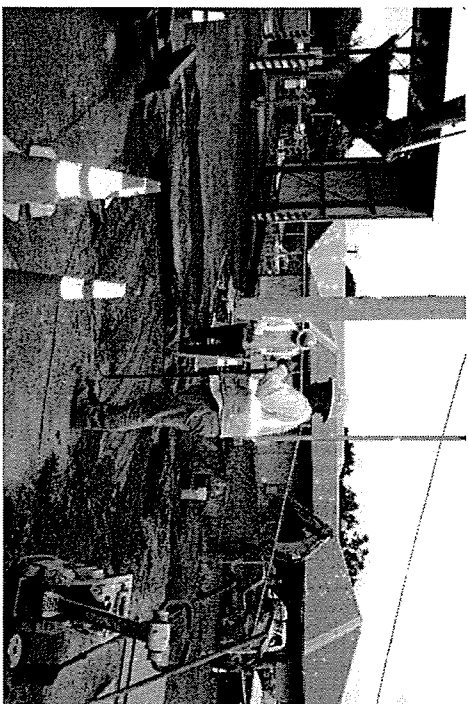


Filling of Cesspool with CLSM



Completion of Cesspool Backfilling

State of Hawaii
Honoka'a Civic Center LOC
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Completion of Cesspool Backfilling

